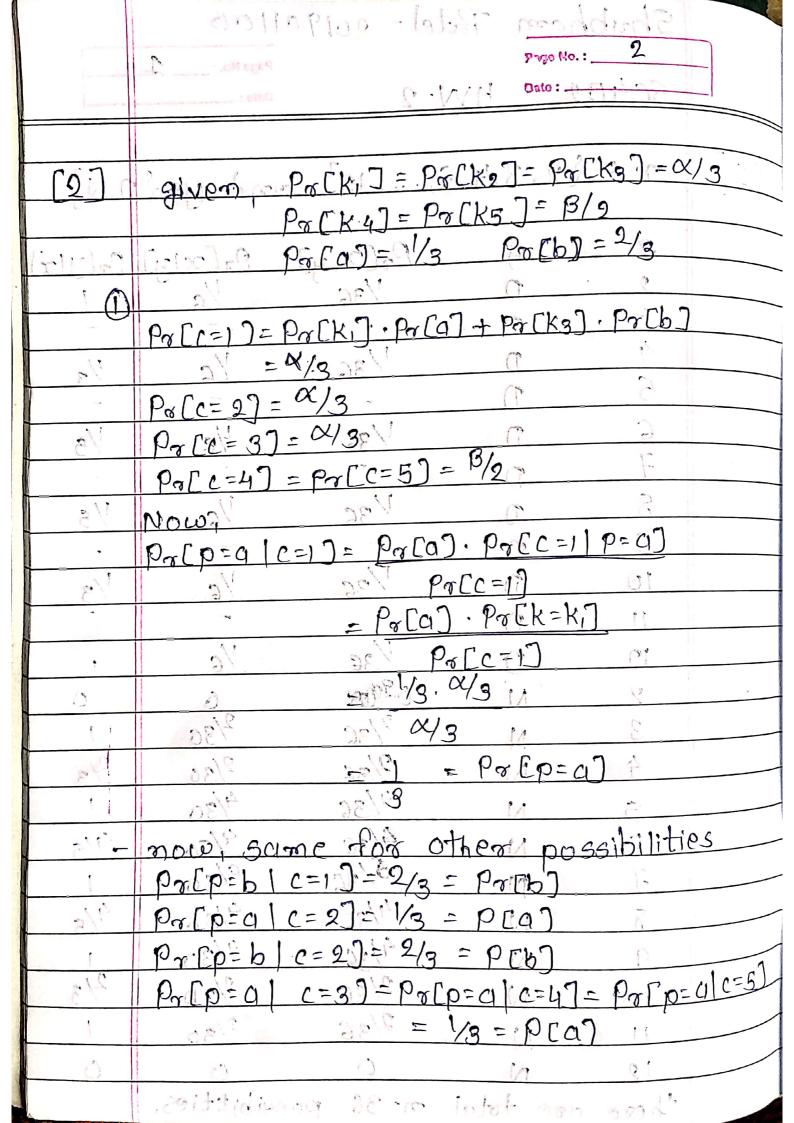
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		1- 12/0	24) o	1-12×	100		
	X.	1002	1	Palo	47	Pr[x[x]	Pa[412]
	2	$\widetilde{\mathfrak{o}}$	- 2	1/36	J	1/8	131
	3.9	· Coll D	1 + [n	In-fix	0,0:	C (Tall of	-
	4	D	[Pi]	1/36	· 4/3	Yc	1/3
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	8	(N)	(9 -	36	1 7	4/30	4/5
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(in the	010	= N.N.	5-91	- 12/3c	-3 /	2/30	2/3
	11	COUR	- P.1	. 2/36		2/30	
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	there	.000 t	otal	7=36	possi	bilities,	



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n	~	٠	-	
D	a	ı	y,	_

- So for Vxep and yec Pr(xy) = Pr(x)
- So this crypto system achieves perfect
 secrecy.
- [3] Y x, y & 726 and Y a & 726, there exist box unique b (x, y, o) & Z26 such their
 - $\frac{e(a,b(x,y,a))(x)=y_1,\dots,y_n}{\sum_{i=1}^n (x_i-x_i)(x_i-x_i)}$ $\frac{e(a,b(x,y,a))(x_i-x_i)}{\sum_{i=1}^n (x_i-x_i)(x_i-x_i)}$ $\frac{e(a,b(x,y,a))(x_i-x_i)}{\sum_{i=1}^n (x_i-x_i)(x_i-x_i)}$ $\frac{e(a,b(x,y,a))(x_i-x_i)(x_i-x_i)}{\sum_{i=1}^n (x_i-x_i)(x_i-x_i)}$ $\frac{e(a,b(x,y,a))(x_i-x_i)(x_i-x_i)}{\sum_{i=1}^n (x_i-x_i)(x_i-x_i)}$

lets say 5 takes 30 value to an

For any $x,y \in \mathbb{Z}_{26}$ $P_{\sigma}[y=y|x=x]=\sum_{\alpha\in\mathbb{Z}_{26}}P_{\sigma}[k=(\alpha;b(\alpha;b,\alpha))]$

= 1/26= Using Baye's theorem, Pr[X=x[Y=y]=Pr[X=x]

so it we use every key with equal poobability. /312 then we can get perfect secrecy.

(b) For any ye &1,21..., ny

Party = y] = 8 Park = (a, b (x, y, a))] Paris

- For any x, y & Z26

Pr (Y=y | X = x) - S Pr [k=(a,b'(x,y,a))]

- OE Z26

chara des a Fo 1/260 and menineur and

- Warng Bayers otheorem, Pr[x=x | Y=y] = Pr[x=x]

Lets say, 's' takes value from

52,3,..., 12 3= sum of pair of dice

Pa[5=8] = 6/86 Pa[5=8] = 5/36

	Page No.:
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	Pars=10] = 3/36 Pars
	Pr[5=11] = 2/38
	$P_{r}[S=10] = 3/36$ $P_{r}[S=10] = 2/36$ $P_{r}[S=12] = 1/36$
	To any of the state of the stat
_	Noco, 61311 -
10	HCS) = 109236, \$ + 109236-1, 4 + 10936-1093.6
	1 3/
	7 109.36-2.8 + 109.36 + 109.3.101+
	36 8 36(8 = 5) 69
	109936-109386
	36
10005	3-HESD= 2.94 & apol- Papol) 2 = (35H)
	P
	(3.001) + + (109.6)
[5]	
	Paca]=1/2 Pacb]=1/3 Pacc]=1/6
	k= &k1, K2, K3 }
	Prockijaprockaj=1/3111
	C= {1,2,3,4}
*	(3)93H 3 H 5 H 5
	HCP]=109,2,109,3,109,60
	E 8 = 4046 PV - [N d - 17 - 9]
	1 8 1 7 1

Proje No.: 6

Onto: _

$$HCkJ = \frac{\log_{1} 3}{3} + \frac{\log_{2} 3}{3} + \frac{\log_{3} 3}{3}$$

$$= 1.60$$

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Paga Ho. :	Party Committee of the
Data:	

$$Hcp(c) = Hcp(c) - Hcc)$$

= 1.094